TABLE 5 NATALITY DATA: SELECTED CHARACTERISTICS AND FETAL DEATHS OBSERVED VERSUS EXPECTED CASES 1986–1990

Birth	Observed Number in Study	Base	I Number od on s for:	Significant Differences in Study Area Data Compared to:	
Characteristics	Area	State	County	State	County
Total Live Births	10,001	-	-		
Birth Weight < 2500G	1,023	694.1	850.1	Higher	Higher
Gestation < 37 weeks	1200	888.0	999.1	Higher	Higher
5-Min APGAR < 8	2,715	2,148.2	2,527.3	Higher	Higher
1-Min APGAR < 8	421	339.0	403.0	Higher	
Total Fetal Deaths	53	66.4	68.4		

TABLE 6 NATALITY DATA: MULTI-SOURCE BIRTH DEFECT REGISTRY OBSERVED VERSUS EXPECTED CASES 1980–1986

	Observed	Expected	Number	Significant	Differences
	Number in	Base	in Study Area Data		
Birth	Study	Flate	s for:	Compared to:	
Characteristic	Area	State	County	State	County
Total Live Births	16,536	73,930	16,536		İ
Births with Anomalies	933	633.1	881.4	Higher	ĺ
Anomalies by Type **		: -			
Nervous System	26	29.8	29.8		
Eye	11	9.9	9,9	1]
Ear, Face, Neck	30	26.5	31,4		İ
Circulatory System	141	124.0	137.2		1
Respiratory System	29	19.8	24.8	Higher	
Cleft Lip/Palate	35	26.5	29.8	İ	
Other Upper Alimentary	16	39.7	16.5	Lower	İ
Other Digestive	29	21.5	26.5	}	
Genital Organs	138	97.6	124.0	Higher	Ī
Urinary Organs	25	14.9	18.2	ł	
Poly/Syndactyly	91	39.7	72.8	Higher	
Club Foot	65	43.3	44.6	Higher	Higher
Distocation of Hip	11	9.9	9.9	[
Limb Reduction	6	6.6	6.6	ļ	
Other Musculoskeletal	122	86.0	115.8	Higher	
Skin, Hair, Nails	166	72.8	178.6	Higher	
Chromosomal Anomalies	21	21.5	23.2	{	
Other Anomalies	128	84.3	122.4	Higher	

^{*} Statistical significance determined by Poisson statistic rather than Chi-square.

^{**} A child may have more than one anomaly.

TABLE 7
SOCIOECONOMIC COMPARISON BETWEEN
STUDY AREA, JACKSON COUNTY, AND MISSOURI

	Study	Jackson	
Indicator	Area	County	Missouri
% Persons Who Completed 4 Years High School (25+ Years of Age)	51.7%	70.7%	63.5%
% Employed (16+ Years of Age)	58.1%	65.6%	61.1%
Median Household \$12,781 income		\$16,887	\$15,581
Per Capita Income	\$5,918	\$7,610	\$6,917
% Families Below Poverty Level	14.4%	7.9%	9.1%

Source: 1980 Census Data (References 6, 7, and 8)

APPENDIX A

LIST OF DISEASES

- AND ICD CODES

APPENDIX A SELECTED ICD CODES

ALL CAUSES	001-999
NEOPLASMS, MALIGNANT	140-208
Malignant neoplasm of digestive organs and peritoneum	150-159
Malignant neoplasm of respiratory organs	160-165
Malignant neoplasm of nasal cavities, middle ear, and accessory sinuses Nasal cavíties	160 160.0
Malignant neoplasm of larynx Larynx, unspecified Malignant neoplasm of trachea, bronchus, and lung	161 161.9 162
Bronchus and lung, unspecified Malignant neoplasm of other and ill- defined sites within the respiratory system and intrathoracic organs Upper respiratory tract, part unspecified	162.9 165 165.0
Malignant melanoma of skin	172
Other malignant neoplasms of skin	173
Malignant neoplasm of breast	174-175
Malignant neoplasm of genital organs	179-187
Malignant neoplasm of penis and other male genital organs Scrotum Site unspecified	187 187.7 187.9
Malignant neoplasm of urinary organs	- 188-189
Multiple myeloma and immunoproliferative neoplasms	203
Multiple myeloma	203.0
Leukemias	204-208
NEOPLASMS, BENIGN	210-229
Disorder of function of the stomach	536
Acute dilation of stomach	526.1

Dyspepsia and other disorders	536.8
Unspecified functional disorders of stomach	536.9
Other diseases of digestive system	570-579
Chronic liver disease and cirrhosis	571
Cirrhosis of liver without mention of alcohol	571.5
Other chronic nonalcoholic liver disease	571.8
Unspecified chronic liver diseases without mention of alcohol	571.9
Diseases of the skin and subcutaneous tissue	680-709
Contact dermatitis and other eczema	692
Due to oils and greases	692.1
Due to solvents	692.2
Due to other chemical products	692.4
Due to solar radiation	692.7
Unspecified causes	692.9
Other hypertrophic and atrophic conditions of the skin	701
Specified	701.8
Unspecified	701.9
Dyschromia	709

APPENDIX B

CANCER INCIDENCE DATA

MISSOURI CANCER REGISTRY . MISSOURI DEPARTHENT OF HEALTH STATE OF MISSOURI CANCER CASES DIAGNOSED IN 1985-89

YEAR OF FIRST DIAGNOSIS OF THIS CANCER.

-				
CUMULATIVE	19.7	2.09	81.3	100.0
CUMULATIVE CUMULATIVE CUMULATIVE DX_YR FREQUENCY PERCENT	20535	63209	84732	104244
PERCENT	19.7	20.3	50.6	18.7
FREQUENCY	20535	21150	21423	19512
DX_YR	85.5	84	88	89

-			CUMULATIVE	CUMULATIVE
SITEN	FREQUENCY	PERCENT	FREQUENCY	PERCENT
BRONCHUS & LUNG	17587 16.9	16.9	17587	16.9
LARYNX	1411	1.4	18998	18.2
MALE GENITAL ORG		0.1	19144	18,4
MELANOMA	-	1.4	20576	19.7
MULTIPLE MYELOWA	959	6.0	21535	20.7
NASAL CAVITIES		2.0	21714	20.8
OTHER CANCER SIT	79	76.7	101641	97.5
RESPIRATORY ORGA	514	2.0	101855	7.76
SKIN CANCER	2389	2.3	104244	100.0
_				

CUMULATIVE PERCENT	8.0 11.0 41.5 8.07 0.001	
CUMULATIVE CUMULATIVE CUMULATIVE CUMULATIVE	797 11479 43289 73811 104244	
PERCENT	0 5 8 8 8 8 8 10 8 8 8 8 10 10 8	
FREQUENCY	797 10682 31810 30522 30433	
AGENO	0 TO 14 15 TO 44 45 TO 64 65 TO 74 75 PLUS	

DATA UPDATED TO SRD QUARTER 1991

DATA UPDATED TO SRD QUARTER 1991

TABLE OF SITEN BY AGEMO

10 TO 14 115 TO 44/45 TO 64/65 TO 74/75 PLUS (

BRONCHUS & LUNG FREQUENCY LARYNX

CANCER CASES DIAGNOSED IN 1985-89 MISSOURI CANCER REGISTRY MISSOURI DEPARTMENT OF HEALTH STATE OF MISSOURI

MISSOURI CANCER REGISTRY MISSOURI DEPARTMENT OF HEALTH STATE OF MISSOURI

CANCER CASES DIAGNOSED IN 1985-89

TABLE OF SITEN BY DX_YR

R. J	891 TOTAL	1 17587	1191	146	5 1432	6 959	1 1 179	4] 79927	0 1 214	0 2389	2 104244
S CANCE	w	3310	217	3.6	265	186	4	15024	30	410	19512
IS OF THIS	88	3612	275	29	275	176	30	16493	38.	495	21423
DIAGNOS	87	3449	301	43	308	175	37 [16335	48	454	21150
OF FIRST	96	3696	333	1 82	300	226	37	16405 1	42	557	27624
DX_YRIYEAR OF FIRST DIAGNOSIS OF THIS CANCER,)	851	3520	285	30	284	1961	41	15670	36	473	20535
SITEN	FREQUENCY	BRONCHUS & LUNG	LARYNX	MALE GENITAL ORG	MELANOMA	MULTIPLE MYELONA	NASAL CAVITIES	OTHER CANCER SIT	RESPIRATORY ORGA	SKIN CANCER	TOTAL

DATA UPDATED TO SRD QUARTER 1991

APPENDIX C
MORTALITY DATA

MISSOURI CANCER REGISTRY MISSOURI DEPARTMENT OF HEALTH STATE OF MISSOURI

CANCER CASES DIAGNOSED IN 1985-89

ZIP=64129

TABLE OF SITEN BY DX_YR

SITEN	DX_YRIYEA	DX_YRIYEAR OF FIRST DIAGNOSIS OF THIS CANCER,)	DIAGNOSIS	OF THIS	CANCER,)	
FREQUENCY	158	198	87.	88	189	TOTAL
BRONCHUS. * LUNG	9]	15	- 1	6	10	iη
MALE GENITAL ORG	0 1	0	2]	0	a	-22
MELANOMA	0	2	0	0	н	· M
MULTIPLE MYELOMA	2	0	; ; ; ; ; ; ; ; ; ; ;	0	0	M
NASAL CAVITIES) O)	0	1 7	0	0	н
OTHER CANCER SIT	23	33	35	38	24	153
SKIN CANCER	rl	0	т.	H	0	M
TOTAL	32	50	51	48	35	216

DATA UPDATED TO SRD QUARTER 1991

TOTAL DEATHS BY SELECTED CAUSES FOR SELECTED SELECTED ZIPCODES *: 1986-1990

	IFICANT ERENCE *** FROM COUNTY 	>ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	2222222222
1990 RATES	SIGNI DIFFE STATE	22555755555555555555555555555555555555	0000000000
*; 1986-	ASED DEATHS ASED ON COUNTY RATES 7067.4	นนมน นอบอนทนน อนน บ นอลน อนที่ผิดที่มือบนบบบบนน์กับ อนที่ เนื่อตนี้นักอังจับกับขั้นที่กับมือล่อ	0444000000 0444000000 04440000000
ZIPCODES NTY ** AGE	EXPECTED BASE STATE RATES 101.7	1484 84 4 4 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0470000000 04700000000
SOURI AND COU	OBSERVED DEATHS 	44 4484 4484 478 478 478 478 478 478 478	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
DBSERVED VS EXPECTED DEATHS BASED ON MISSOURI AND COUNTY ** AGE-SPECIFIC RATE:	CAUSES OF DEATH (ICD-9) ALL DEATHS	NEOPLASMS BREAST CAN BRONCH LUNG UNSPEC DIGESTIVE CAN GENITAL OR CAN LARYNX UNSPEC LEUKEMIA MAL MELANOMA OF SKIN MAL NEO OF NASAL CAVITIES MAL NEO OF PENIS MAL NEO OF PENIS MAL NEO OF SCROTUM MAL NEO OF SCROTUM MAL NEO OF SCROTUM MAL NEO OF SKIN MAL NEO OF SKIN MAL NEO TREACH BRONCH LUNG MULT MYELOMA IMMUNOPROLIF NEO MULT MYELOMA IMMUNOPROLIF NEO DIHER CANCERS OTHER CUTE DILATION OF STOMACH ACUTE DILATION OF STOMACH ACUTE/SUBACUTE NECROSIS OF LIV CHRONIC LIVER DIS/CIRRHOSIS CIRRHOSIS OF LIVER W/O ALCOHOL DIS FUNCT OF STOMACH DYSPEPSIA ETC OTHER CHRONIC NON ALCOHOL DIS OTHER DIS DIGEST SYST UNSPEC CHRON LIVR DIS W/O ALCO	

^{*} SELECTED ZIPCODE 64120, 64123, 64124, 64125, 64126, 64127, 64128, 64129, 64052, 64053, AND 64054.

^{**} COMPARED TO JACKSON COUNTY.

*** FOR EXPECTED DEATHS OF 5 OR MORE, CHI-SQUARE DISTRIBUTION WAS USED.

FOR EXPECTED DEATHS LESS THAN 5, POISSON DISTRIBUTION WAS USED.

TOTAL DEATHS BY SELECTED CAUSES AND AGE GROUPS MISSOURI: 1986-1990

4 2 2 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		4,4,0 8,40,0 8,40,0 8,40,0 9,40,0 9,40,0 9,40,0		4,70 3994 3984 3984	7,138,	CO LU CO V	2891 2865 14	3 1,628 10
65-74 VRS		4004 8004 1000 1000 1000 1000 1000 1000		5,886 286 286 287	01-00			0000 0000 0000M
7 H S R S	513	4864 9864 9864 9864 9864	4.014 3.00 20 4.00 20 20 20	5, 2, 2, 20, 20, 20, 20, 20, 20, 20, 20,	5,064 5,648	15,2731	<u>ወ</u> ክ ዓመ ዕላ ር ዕ የነት	
NUMBE 15-4	16,234	$\phi \otimes \phi \Leftrightarrow \phi$	HH 80 76 76 76 76 76 76 76 76 76 76 76 76 76	662	807 322 516		87 81 81	4 211 0 3
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ALL AGE	E.	166,725 166,725 166,725 1965 1965 1965	100	6,35 88 88	1, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20	ろろと	2,010 1,051 1,051	4,377 14 14
SES	NEOPLASMS	BREAST CAN BRONCH LUNG UNSPEC DIGESTIVE CAN GENITAL ORG CAN LARYNX UNSPEC LEUKEMIA	MAL MELANOMA OF SKIN MAL NEO OF LARYNX MAL NEO OF NASAL CAVITIES MAL NEO OF PENIS MAL NEO OF SCROTUM		OF SKIN	ALL NEDPLASMS (140-239) MALIGNANT NEDPLASMS (140-208) BENIGN NEOPLASMS (210-229)	OTHER SELECTED CAUSES ACUTE DILATION OF STOMACH ACUTE/SUBACUTE NECROSIS OF LIV CHRONIC LIVER DIS/CIRRHOSIS CIRRHOSIS OF LIVER W/O ALCOHOL DIS FUNCT OF STOMACH	OTHER CHRONIC NON ALCOHOL DIS OTHER DIS DIGEST SYST UNSPC CHRON LIVR DIS W/O ALCO UNSPEC FUNCT DISORDER STOMACH

MAY INCLUDE DEATHS OF UNKNOWN AGE.

TOTAL DEATHS BY SELECTED CAUSES AND AGE GROUPS JACKSON COUNTY: 1986-1990

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CO-COLD HIVE OF SECTION	ALL	91-0	15-44	45-64	65-74	75 +	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AGES *	YRS	YRS	YRS	YRS	YRS	
ALL DEATHS	30,808	869	2,606	5,646	665'9	15,184	
NEOPLASMS						·	
BREAST CAN BRONCH LUNG UNSPEC	AW.	00	യസ		97	209 585	
DESTITATIONS CAN BENITALIONS CAN LARYNX UNSPEC	8,7 8,4	00 0	248 276	タチー	186 186 22	യഹ-	
LEUKEMIA MAL MELANOMA OF SKIN	40	.00	158 <u>1</u>			99 <i>6</i>	
MAL NEO OF NASAL CAVITIES		00	ИН			ЭН	
MAL NEO UF PENIS MAL NEO FREACH BRONCH LUNG	2,047	00	м 9		722		
MULT MYELOMA MULT MYELOMA IMMUNOPROLIF NEO MASAI CAVITITE	96 111		HHG	ტტ (e e e	ന യയ	
OTHER CANCERS OTHER MAL NEO OF SKIN	1,393	39E	108 108		361	489	
RESPIRAT CAN	} 1 \		w,		750	0	
ALL NEOPLASMS (140-239) MALIGNANT NEOPLASMS (140-208) BENIGN NEOPLASMS (210-229)	7,042 6,957 27	28.0 20.80 4	ыўзке Н2 ММ	2,014 1,992	2,043 2,058 4	2,602 2,567 10	
60.1	,			-			
ACCIE/SCBACCIE NECROSIS UP LIV CERENIC LIVER DIS/CIRRHOSIS CIRRHOSIS OF LIVER W/O ALCOHOL DIS FINCT OF STONACH	122 1426 1426	6 666	0 7 H	1631 74		գԽ መመው	
OTHER DIS DIGEST SYST UNSPC CHRON LIVE DIS W/O ALCO UNSPEC FUNCT DISORDER STOMACH	622 22 1	onoo	7 7 10	25 25 27	127 0	7677 8 7	

MAY INCLUDE DEATHS OF UNKNOWN AGE.

TOTAL DEATHS BY SELECTED CAUSES AND AGE GROUPS SELECTED ZIPCODES: 1986-1990

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10	ALL	0-14	15-44	45=64	65-74	4 52
AUSES UF DEAT	AGES *	YRS	YRS	YRS	YRS	YRS
HS	6,251	205	487	1,321	1,487	2,751
NEOPLASMS BREAST CAN BRONCH LUNG UNSPEC DIGESTIVE CAN GENITAL ORG CAN LARYNX UNSPEC LARYNX UNSPEC LARYNX UNSPEC LARYNX UNSPEC LARYNX UNSPEC MAL NEO OF NASAL CAVITIES MAL NEO OF REACH BRONCH LUNG MULT MYELOMA IMMUNOPROLIF NEO OTHER MAL NEO OF SKIN RESPIRAT CAN RESPIRAT CAN URINARY ORGAN CAN URINARY ORGAN CAN BENIGNANT NEOPLASMS (140-229) BENIGN NEOPLASMS (210-229)	11 1264 1269 1269 1269 1269 1269 1269 1269 1269	\$	で アア ほどの な	44 H H 44 H 44 H 44 H 44 H 44 H 44 H 4		444 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
OTHER SELECTED CAUSES CHRONIC LIVER DIS/CIRRHOSIS CIRRHOSIS OF LIVER W/O ALCOHOL OTHER DIS DIGEST SYST MAY INCLUDE DEATHS OF UNKNOWN AGE,	70 137 7	000	610 - 2	ычд 688	. 252 353	H 19

SELECTED ZIPCODE 64120, 64123, 64124, 64052, 64053, AND 64054.

APPENDIX D

MORBIDITY DATA

2 T V C	
HOSPITAL DISCHARGES BY SELECTED PRINCIPAL DIAGNOSES FOR SELECTED ZIPCODES * 1983-1987 OBSERVED VS EXPECTED DISCHARGES BASED ON MISSOURI AND JACKSON COUNTITES ** AGE-SPECTETS BATE	
* *	
ED ZIPCODES	
FOR SELECT	
DIAGNOSES MISSOURI AN	
PRINCIPAL BASED ON	
BY SELECTED DISCHARGES	
DISCHARGES VS EXPECTED	
HOSPITAL OBSERVED	

RATES	CCE *** COUNTY	
983-1987 GE-SPECIFIC	SIGNIFICANT DIFFERENCE FROM ATE COU	
CODES * 1	ry ry st	
ELECTED ZIP	ASED DISCHAI ASED ON ATE COUN	### ### ### ### ### ### ### ### ### ##
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PAL DIAGNO	OBSER DISCHAR	AABLY B A PNDBO S HA B
CHARGES BY SELECTED PRINCI EXPECTED DISCHARGES BASED	AGNOSIS (ICD-9)	GCAN PEC CAN PEC CAN PEC CAN PEC CAN PEC CAN TARY LARYNX LARYNX LARYNX CAVITIES PENIS ETC SCROTUM HER/ILL DEF SITE HER/ILL DEF HER/ILL
HOSPITAL DIS	PRINCIPAL DI ALL DISCHARG	NEOPLASMS BREAST CAN BRONCH LUNG UN

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HOSPITAL DISCHARGES BY SELECTED PRINCIPAL DIAGNOSES FOR SELECTED ZIPCODES * 1983-1987 OBSERVED VS EXPECTED DISCHARGES BASED ON MISSOURI AND JACKSON COUNITIES ** AGE-SPECIFIC RATES

	1	EXPECTED BASED	EXPECTED DISCHARGES BASED ON		SIGNIFICANT DIFFERENCE XX
PRINCIPAL DIAGNOSIS (ICD-9)	DISCHARGES	RATES	RATES	S	COUNTY
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TROPP REC					

*** FOR EXPECTED DISCHARGES OF 5 OR MORE, CHI-SQUARE DISTRIBUTION WAS USED. FOR EXPECTED DISCHARGES LESS THAN 5, POISSON DISTRIBUTION WAS USED.

HOSPITAL DISCHARGES BY SELECTED PRINCIPAL DIAGNOSES AND AGE GROUPS MISSOURI: 1983-1987

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+ 52	YRS	570,869	サーヤー ウェ			550 L	0000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	186 186 587 9,746		162
65-74	YRS	559,006	2695	1 000 14 14 14 14 14 14 14 14 14 14 14 14 14	8,802 703 721	งนั้งเช่า	തെയുന്നു.	1,299,1 1,278 1,578 1,56	131 131 150 153 153	402 75 19,150 187	146
DISCHARGE	YRS	769,614	<u>~~~</u> ∞∞∞		10,167	0,450 1,222 3,022	タアタ	2,682 2,782 2,740 2,740	217 1,282 10,084	29,4302 2802 2802 2802 2802	3 3 3 8 8 8
NUMBER OF	YRS	7291,869	2,177 4884 1,039			გ 1074 დ დ	かてタ	1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	17,636	1,015 28,821 821 866	473
0-14	* YRS	294,163 1	, 64 700 700 700	222 222 0	H 04000	200AP		4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	94275	318
ALL	AGES	3,610,679	4000		OWNER	58,77 2,63 27,30 11,74	2004	8 2 1,000 1,		2,692 100,078 425 429 201	
PRINCIPAL DIAGNOSIS (ICD-9)		ALL DISCHARGES	MEOPLASMS BREAST CAN BRONCH LUNG UNSPEC DIGESTIVE CAN GENITAL ORG CAN	N N N N N N N N N N N N N N N N N N N	MAL NEO TREACH BRONCH LUNG MULT MYELOMA IMMUNOPROLIF NEO NASAL CAVITIES	CÏN	ALL NEOPLASMS (140-239) MALIGNANT NEOPLASMS (140-208) BENIGN NEOPLASMS (210-229)	OTHER SELECTED DIAGNOSES ACUTE DILATION OF STOMACH ACUTE/SUBACUTE NECROSIS OF LIV CHRONIC LIVER DIS/CIRRHOSIS CIRRHOSIS OF LIVER W/O ALCOHOL CONTACT DERMITIS DERM DUE TO COTHER CHEM PROD	DUE TO UNSPECTORY STONE	PSIA ETC CHRONIC NON ALCOH LIV DIS BIGEST SYST HYPERTROPHIC/ATROPHIC HYPERTROPHIC/ATROPHIC	C FUNCT DISORDER STOMACH

HOSPITAL DISCHARGES BY SELECTED PRINCIPAL DIAGNOSES AND AGE GROUPS JACKSON COUNTY: 1983-1987

DIAGNOSIS (ICD-9)	AL	0-14.	۵4	F DISCHARGES	5	1 11 11 11 11 11 11 11 11 11 11 11 11 1
) 1 d d d d d d d d d d d d d d d d d d	AGES	* YRS	YRS	YRS	YRS	YRS
	446,462	34,250	170,808	96,534	62,679	82,004
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•	· \$2 \	11~ P	120	1,007		
		, o	^	יטויס	OM	20
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2.		11.0				LCI
	ายัง			910	ا ت ت	mm.
MS (140-239) EDPLASMS (140-208)	26,414	416 416 203	4,692	8,764 1464	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	508 6,078 6,078
ASMS (210-229	5,11	~	53.	, re	, , , m	. W.
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IRRHOSIS W/O ALCOHO	971 245	440	22,00	775 746 746	167	90 u
XHEX THEX	0	,4 <u>7</u> .	121	S		100
CAUSE	7~0	13; 73;	HX	No		11.
	6,444	701	2,291	1,444	69 60 60 60 60 60 60 60 60 60 60 60 60 60	1,316
. A	308 74	120	THE THE	186	787	04, 04,
SYST C/ATROPHIC S	12,087	1001		3,876	1,887	2,259
/ DIS W/O	in-	o4c		76. 76.	ር ሲ ተ	J. 147
DER STOMACH	180 181	₽₽	26	17	n vo	-1 co

HOSPITAL DISCHARGES BY SELECTED PRINCIPAL DIAGNOSES AND AGE GROUPS SELECTED ZIPCODES: 1983-1987

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65	15,778	11. 2011 X 4 W 4. 2011 Y 2011 10.001 Y 2011	402 144 2000 2000 475 475 84 84 84 84 84 84 84 84 84 84 84 84 84
SCH 45-	22,609	01000	128 128 358 358 357 257 20 1 1
NUMBER OF 15-44 YRS	- 1	4 04 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	56 56 615 615 615 957 957 15 15 15
0-14 YRS	8,471	и п п п п п п п п п п п п п п п п п п п	19 19 19 19 11 19 10 10 10 10 10 10 10 10 10 10 10 10 10
AL		1 746 1 78440 1 78410 1 74680 1 88410 1 74580 1 8866 1 886	249 688 350 101 120 111 898 1 22 24 6, 64127
RINCIPAL DIA	ALL DISCHARGES	NEOPLASMS BREAST CAN BREAST CAN BRONCH LUNG UNSPEC DIGESTIVE CAN GENTAL DO CAN LARYNX UNSPEC LEUKEMIA MAL MECANOMA OF SKIN MAL NEO OF LARYNX MAL NEO OF PENIS ETC MAL NEO OF PENIS ETC MAL NEO OF PENIS ETC MAL NEO OTHEK/ILL DEF SITE MAL NEO OTHEK/ILL DEF SITE MAL NEO OTHEK/ILL DEF SITE MAL NEO OTHEK/ILL DEF SITE MAL NEO OTHEK/ILL DEF SITE MAL NEO OTHEK/ILL DEF SITE MAL NEO OTHEK/ILL DEF SITE MAL NEO OTHEK/ILL DEF SITE MAL NEO OF SKIN RESPIRAT CAN URINARY ORGAN CAN URINARY ORGAN CAN MALIGNANT NEOPLASMS (140-208) BENIGN NEOPLASMS (210-229)	ACUTE/SUBACUTE NECROSIS OF LIVERHOSIS OF LIVER W/O ALCOHOL CHROSIS OF LIVER W/O ALCOHOL CONTACT DERMITIES DES DIS FUNCT OF STOMACH DIS FUNCT OF STOMACH CONTER DIS DIS SKIN DYSPEPSIA ETC NON ALCOH LIV DI OTHER DIS DIS DIS STOMACH LIV DI OTHER DIS DIS DIS DIS STOMACH CONTER DIS DISORDER STOMACH CHRONIC LIV DI OTHER DIS DISORDER STOMACH SK UNSPEC CHRONIC LIV DIS W/O ALC UNSPEC CHRONIC LIV DIS SK UNSPEC FUNCT DISORDER STOMACH

APPENDIX E

NATALITY DATA

(Selected Characteristics

_ and Fetal Deaths)

Total Live Births by Selected Characteristics and Fetal Deaths for Selected Zip Codes: 1986-1990 Observed vs. Expected* Based on Missouri and County Rates Kerr Chem

	Observed Anomalies	Expected Charactertistics Based on State	Significant	Expected- Characteristics Based on County	Significant
LIYE BIRTHS Total Live Births Birth Weight <2500 G Gestation <37 weeks 1-Min APGAR <8 5-Min APGAR <8	10,001 1,023 1,200 2,715 421	694.1 888.0 2,148.2 339.0	YES YES YES YES	850.1 999.1 2,527.3 403.0	YES YES YES NO
FETAL DEATHS Total Fetal Deaths	53	66.4	NO	68.4	NO

^{*} For expected births/fetal deaths of 5 or more, Chi-Square Distribution was used. For expected births/fetal deaths of less than 5, Poisson Distribution was used.

PER 1,000 LIVE BIRTHS FETAL DEATHS	SELECTED
NUMBER AND RATE I	JACKSON
TOTAL LIVE BIRTHS, BY SELECTED CHARACTERISTICS: NUMBER AND RATE PER 1,000 LIVE BIRTHS TOTAL PETAL DEATHS: NUMBER AND RATE PER 1,000 LIVE BIRTHS PLUS FETAL DEATHS FOR SELECTED AREAS OF RESIDENCE: 1986-1990	

·	
DES DES RATE 102.3 120.0 271.5 42.1	ъ. ю
SELECTED SELECTED NUMBER 10,001 1,200 1,200 1,200 2,715 421 421	iU W
ш 1 000м	6.3
JACKSON COUNTY NUMBER 54,069 5,406 5,406 15,662 2,181 2,181	369
	9.9
SELECTED AREAS OF RESIDENCE: 1986-1990 BISSOURI NUMBER RATE 12,937 14, LB 2500 G 26,757 154 TON <37 WKS 82,937 157 TON <37 WKS 82,000 12,987 12,987 12,987 12,987	2,525
AREAS OF 00 G 7 WKS < 8	
LIVE BIRTHS TOTALLB FORTH LB FORTH LB BIRTH LB FORTH C250 G GESTATION <37 WKS 1-MIN APGAR <8 5-MIN APGAR < 8 FETAL DEATHS	TOTAL FD

* SELECTED ZIPS 64120, 64123, 64124, 64125, 64126, 64127, 6412864129, 64052, 64053, 64054

APPENDIX F

NATALITY DATA

(Birth Defects)

Total Multi-Source Birth Defect Registry for Selected Areas: 1980–1986 Observed vs. Expected* Based on Missouri and County Rates Kerr Chem

	Observed Anomalies	Expected Anomalies Based on State Rate	Significant Difference	Expected Anomalies Based on County Rate	Significant Difference
Total Live Births	16,536				
Births with Anomalies	933	663.1	YES	881.4	NO
Nervous System	26	29.8	NO	29.8	NO
Eye	11	9.9	NO	9.9	NO
Ear, Face & Neck	30	26.5	МО	31.4	МО
Circulatory System	141	124.0	МО	137.2	NO
Respiratory System	- 29	19.8	YES	24.8	NO
Cleft Lip/Palate	35	26.5	МО	29.8	NO
Other Upper Alimentary	16	39.7	YES	16.5	NO
Other Digestive	29	21.5	NO	26.5	МО
Genital Organs	138	97.6	YES	124.0	NO
Urinary Organs	25	14.9	NO	18.2	ОИ
Poly/Syndactyly	91	39.7	YES	72.8	NO
Club Foot	65	43.3	YES-	44.6	YES
Dislocation of Hip	11	9.9	Ю	9.9	NO
Limb Reduction	6	6.6	МО	6.6	NO
Other Musculoskeletal	122	86.0	YES	115.8	NO.
Skin, Hair, Nails	166	72.8	YES	178.6	МО
Chromosomal Anomalies	21	21.5	NO	23.2	NO
Other Anomalies	128	84.3	YES	122.4	NO

^{*} For expected anomalies of 5 or more, Chi-Square distribution was used. For expected anomalies of less than 5, Poisson Distribution was used.

BIRTHS	SELECTED ZIPCODES	• •	よりよりまるようのようのうしょうない。なったのはなるようのできるようななららりないない。
1,000 LIVE	MENON	6,53	A HE HOUSE SERVING A HOUSE SERVING A HE HOUSE SERVING A HOUSE SERVI
RATE PER	JACKSON TES RATE	•	101844444444000044 101844444444444444444
NUMBER AND	COUNTIE	73,930	・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・
REGISTRY: NO. 1980-1986	MISSOURI NUMBER RATE	ο,	HOHPHHUHUQUQOQUAHU BAQUUAANQQABQAUAMH
TH DEFECT REG RESIDENCE: 19	E WOW	ฑ์⊶ั	4 1 2 1 22 2 9 1 9 11 22 2 9 1 9 11 22 2 9 1 1 1 1 1 2 2 2 2 9 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2
TOTAL MULTI-SOURCE BIRT		TOTAL LIVE BIRTHS BIRTHS WITH ANOMALIES	ANDMALIES BY TYPE%36 NERVOUS SYSTEM EYE CIRCULATORY SYSTEM CLEFT LIP/PALATE OTHER UPPER ALIMENTARY OTHER UPPER ALIMENTARY OTHER UPPER ALIMENTARY OTHER UPPER ALIMENTARY OTHER UPPER ALIMENTARY OTHER DEGENTY CLUB FOOT LIMB REDUCTION OTHER MUSCULOSKELETAL SKIN, HAIR, NAILS CHROMOSOMAL ANOMALIES OTHER ANOMALIES

* SELECTED ZIPCODES ARE 64120, 64123, 64124, 64125, 64126, 64125,

** A CHILD MAY HAVE MORE THAN ONE ANOMALY

MISSOURI CANCER REGISTRY MISSOURI DEPARTMENT OF HEALTH STATE OF MISSOURI

CANCER CASES DIAGNOSED IN 1985-89

ZIP=64052

TABLE OF SITEN BY AGEMO

75 PLUS | TOTAL

SITEN	AGEMO				
: در	10 TO 14	115 TO 44	45 TO 64	10 TO 14 15 TO 44 45 TO 64 65 TO 74 75 PLUS	PLUS !
BRONCHUS & LUNG	0	4	0,	in in	26
LARYNX	0	0	9	2	-
HELANOMA		7	0	7	-
MULTIPLE MYELOMA	0	0	F	7 7	2
NASAL CAVITIES	Ö	0	rı	0	0
OTHER CANCER SIT	M	1 26	118	124	122
RESPIRATORY ORGA	0	0	0		0
SKIN CANCER	0	2	4	2	rð —
TOTAL	М	33	170	172	157

393

DATA UPDATED TO 3RD QUARTER 1991

MISSOURI CANCER REGISTRY MISSOURI DEPARTMENT OF MEALTH STATE OF MISSOURI

CANCER CASES DIAGNOSED IN 1985-89

ZIP#64052

TABLE OF SITEN BY DX_YR

SITEN	DX_YRI YEAR	OF FIRST	DIAGNOSIS	DX_YRIYEAR OF FIRST DIAGNOSIS OF THIS CANCER.)	ANCER.	٠
FREQUENCY	85	198	87.1	88	89	TOTAL
BRONCHUS & LUNG	1 23	22	22]	22	16	105
LARYNX	1 2	м	2	23	0	o .
MELANOMA	4	0	0	2	6	•
HULTIPLE MYELOMA	1 2 1	0	0	2	м	7
NASAL CAVITIES	0	a	4	٥	0	Ħ
OTHER CANCER SIT	1 89 1	82	87	64	17.	393
RESPIRATORY ORGA	0	r r	0	0	0	H
SKIN CANCER	9	ĸ	2	0	2	13
TOTAL	126	111	114	92	92	535

DATA UPDATED TO SRD QUARTER 1991